

Work Order ID 56384 - 2 *SPLIT*

February 22, 2010 10:31:36 AM

Page 1

Item ID: D3965-4

Accept



Setup Start



Revision ID:

Stop



Item Name: Bearing, Spherical

Start Date: 2/22/10

Start Qty: 20.00

Required Date: 2/26/10

Req'd Qty: 20.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: 10-2-22 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3965

Rev A

100

0.00



Purchasing

Purchasing

Memo

0.00

PURCHASING

Issue P/O: 11396

Purchase Part Number: 63215K32 or 63215K52

Possible Supplier: McMaster

Material release note is required

RA 10-2-22
(20)

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Packaging

Memo

0.00

Purch/24 (5)

Work Order ID 56384

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Page 2

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Date:

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Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

Diolubz

(X5)

QC

Memo

0.00

Quality Control

130

Identify as per dwg & Stock Location: _____

0.00

Packaging

Memo

0.00

Packaging

Rec'd 26 (5)

140

QC21- Final Inspection - Work Order Release

0.00

QC

Memo

0.00

Quality Control

10/03/03
CL 03/01/10

Picklist Print

February 22, 2010 10:31:43 AM

Page 1

Work Order ID: 56384

Parent Item: D3965-4

Parent Item Name: Bearing, Spherical


Comments: IPP RevA: New issue DD verified by:EC

Start Date: 2/22/10

Required Date: 2/26/10

Start Qty: 20.00

Required Qty: 20.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
63215K32		Purchased	No			110	Each	3.0000	20.0000			
												
Spherical Bearing												

Perp/240

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

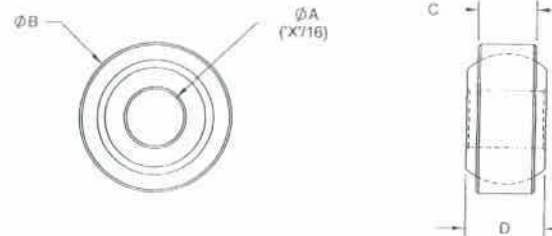
ST

3

111278

3

SPECIFICATION CONTROL DRAWING



D3965-X BEARING, SPHERICAL

WHERE 'X' IS I.D. IN 1/16" OF AN INCH
EG $\phi 1/4"$ (4/16") I.D. BEARING = D3965-4

DART P/N	SUPPLIER	SUPPLIER P/N	A	B	C	D	STATIC RADIAL LOAD CAP. lbs
D3965-3	McMASTER-CARR	63215K31	0.188	0.563	0.281	0.219	3,975
D3965-4	McMASTER-CARR	63215K32 OR 63215K52	0.250	0.656	0.344	0.250	6,040
D3965-5	McMASTER-CARR	63215K53	0.313	0.750	0.375	0.281	8,750
D3965-6	McMASTER-CARR	63215K34	0.375	0.813	0.406	0.313	10,540

NOTES:

- 1) MATERIAL: 440C STAINLESS STEEL WITH PTFE LINER
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

RELEASED
09/08/25 N/A

A	NEW ISSUE	RF	09.07.09
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF	DRAWING NO. D3965 REV. A SHEET 1 OF 1	
CHECKED	JN	TITLE BEARING, SPHERICAL SCALE NTS	
MFG. APPR.	JN	DATE 09.07.09	
DE APPR.	JN	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE AND FOR NO REASON UNLESS SO SPECIFICALLY NOTED BY DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO11396

Purchase Order Date 2/22/10

PO Print Date 2/22/10

Page Number 1 of 1

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO.
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Handwritten signature

Contact Name

Vendor Phone

330 995 5500

Vendor Fax

330 995 9600

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

USD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Handwritten signature

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	E
1	63215K52	Bearing Spherical	2/25/10 Yes	20.00 Each	Purolator ground	\$16,6700	✓
		Special Inst:	AS PER DWG D3965 REV: A B=56384				
2	9610K17	GROMMET	2/25/10 Yes	✓ 10.00 Each	Purolator ground	\$11,9000	
		Special Inst:	AS PER DWG: d3619 REV: A BATCH= 56383				
3	9776K94	Flame retardent nylon Hook & Loop	2/22/10 Yes	75.00 Each	Purolator ground	\$2,2390	
		Special Inst:	As per DWG: D3800 Rev: B Batch= 56377 Batch= 56393				

Handwritten notes:
r/c 15
r/c 5
Circled 2/24
2/23

PO Total:

Change Nbr:

5

Change Date: 2/22/10

No substitution or deviation with
consent.

Certificate of Conformity or Mate
Certification required when appli



McMASTER-CARR®

Purchase Order
PO11396

Page

200 Aurora Industrial Parkway
Aurora OH 44202
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

McMaster-Carr Number
7164148-01

02/22

Line	Description	Ordered	Shipped	
1	63215K52 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 1/4" ID, 21/32" OD, 11/32" Overall Width	20 Each	5	2 - 744 - 09 46 - 59 K52 5 EA
	Unit Price:	\$16.67		
	Extended Price:	\$83.35		

*8
10/2/25*

Shipped separately from our Cleveland warehouse on 02/22

1	63215K52 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 1/4" ID, 21/32" OD, 11/32" Overall Width	20 Each	15
2	9610K17 Military Specification Grommet Kit, with Teeth Washer, Trade Size 1, 5/16" ID, 48 Grommets	10 Each	10

Charges for this shipment

Merchandise Amount:	\$83.35
Sales Tax:	\$4.17
Total:	\$87.52

Dart Aerospace Ltd

E